

In the United States Patent and Trademark Office

In re Application of:	§	Group Art Unit:
Alberto I. Roca	§	
	§	
Serial No.:	§	
	§	Examiner:
Filed:	§	
	§	
For: Mutants of MAW Motifs of	§	
RecA Protein Homologs, Methods	§	
of Making Them, and Their Uses	§	Atty. Docket: ROCA-01

Declaration of Alberto I. Roca

I declare that the information recorded in computer readable form submitted with this application is identical to the written sequence listing.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

7/21/99
Date

Alberto I. Roca

SEQUENCE LISTING

<110> Roca, Alberto I
 <120> Mutants of MAW Motifs of RecA Protein Homologs, Methods
 of Making Them, and Their Uses
 <130> RecA Homolog Protein & Mutants
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 <150> 60/094,071
 <151> 1998-07-24
 <160> 3
 <170> PatentIn Ver. 2.0
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 <221> STRAND
 <222> (22)..(26)
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 <223> This structure is highly conserved across
 bacterial RecA and homologous eukaryotic,
 archaeal, and viral proteins; sequence below is

from E. coli RecA positions 40-65

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1 5 10 15

Leu Pro Met Gly Arg Ile Val Glu Ile Tyr
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<212> PRT

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<220>

<221> STRAND

<222> (22)..(26)

<223> Beta-strand 1

<220>

<221> SIMILAR

<222> (1)..(26)

<223> Non 'Xaa' residues are the invariant MAW-motif
residues in RecA and its homologs

<400> 2

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Gly
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Glu Xaa Xaa
20 25

<210> 3

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 <221> STRAND
 <222> (22)..(26)
 <223> Beta-strand 1

<220>
 <221> SIMILAR
 <222> (1)..(26)
 <223> Non "Xaa" residues are the invariant and
 semiconservative elements of the MAW motif in RecA
 and its homologs

<400> 3
 Ile Xaa Thr Gly Xaa Xaa Xaa Leu Asp Xaa Ala Leu Xaa Xaa Gly Gly
 1 5 10 15
 Leu Xaa Xaa Gly Xaa Ile Val Glu Ile Tyr
 20 25